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(54) Title: **MICROORGANISMS AND PROCESSES FOR ENHANCED PRODUCTION OF PANTOTHENATE**

(57) Abstract: The present invention features improved methods for the enhanced production of pantoate and pantothenate utiliz-
ing microorganisms having modified pantothenate biosynthetic enzyme activities and having modified methylenetetrahydrofolate
(MTHF) biosynthetic enzyme activities. In particular, the invention features methods for enhancing production of desired products
by increasing levels of a key intermediate, ketopantoate, by increasing enzymes or substrates that contribute directly or indirectly
to its synthesis. Recombinant microorganisms and conditions for culturing same are also featured. Also featured are compositions
produced by such microorganisms.

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